

## AMENDMENTS TO THE CLAIMS

1. (Withdrawn) A highly sensitive real-time RT-PCR capable of specifically detecting the expression of more than one MAGE gene, wherein reverse transcription of the corresponding MAGE transcripts is carried out simultaneously in a single cDNA-synthesis reaction.
- 2-18. (Canceled)
19. (Currently amended) A diagnostic composition comprising ~~at least one suitable cDNA-primer hybridizing to at least two different MAGE gene transcripts for simultaneous reverse transcription of at least two different MAGE gene transcripts in a single cDNA-synthesis reaction~~ a cDNA-primer MgRT3a (SEQ ID NO:4).
20. (Canceled)
21. (Currently amended) An oligonucleotide ~~selected from the following group of primers:~~  
  
designated MgRT3a (SEQ ID NO:4) and  
Mg1\_RT5a (SEQ NO:35)  
PBGD\_RT15b.
- 22-23. (Canceled)
24. (Currently amended) The diagnostic composition of claim 19, ~~wherein the at least one cDNA primer for reverse transcription of MAGE mRNA is selected from the following groups of oligonucleotides:~~

(A)

primer	sequence (5' - 3')
MgRT3a	ACC TGC CGG TAC TCC AGG

MgRT2	CAG CTC CTC CCA GAT TT —
MgRT5a	AGG ACT TTC ACA TAG CTG GTT TCA
MgRT1b	CCA GCA TTT CTG CCT GTT TG
MgRT4	GCC CTT GGA CCC CAC AGG AA
MgRT6	TTT ATT CAG ATT TAA TTT C
MgRT1a	CCA GCA TTT CTG CCT TTG TGA
MgRT3b	ACC TGC CGG TAC TCC AGG TA
MgRT5b	GGA CTT TCA CAT AGC TGG TTT C

(B)

primer	sequence (5'–3')
Mg1_RT5a	CAC TGG GTT GCC TCT GTC
Mg1_RT1	CAA GAG ACA TGA TGA CTC TC
Mg1_RT2	TTC CTC AGG CTT GCA GTG CA
Mg1_RT3	GAG AGG AGG AGG AGG TGG C
Mg1_RT4	GAT CTG TTG ACC CAG CAG TG
Mg1_RT5c	CTG GGT TGC CTC TGT CGA G
Mg1_RT5d	GGG TTG CCT CTG TCG AGT G
Mg1_RT5e	GGC TGC TGG AAC CCT CAC
Mg1_RT6	GCT TGG CCC CTC CTC TTC AC
Mg1_RT7	GAA CAA GGA CTC CAG GAT AC

further comprising the primer Mg1\_RT5a (SEQ ID NO:14).

25-26. (Canceled)

27. (Currently amended) The diagnostic composition of claim 19, the composition further comprising a suitable cDNA-primer hybridizing that hybridizes to an appropriate calibrator mRNA for reverse transcription of an appropriate calibrator mRNA, wherein reverse transcription of the appropriate calibrator mRNA is simultaneous with reverse transcription of the at least two different MAGE gene transcripts, and wherein reverse transcription of the appropriate calibrator mRNA and of the at least two different MAGE gene transcripts are in a single cDNA synthesis reaction, said single cDNA synthesis reaction being followed by PCR amplification of the MAGE and calibrator cDNAs.

28. (Currently amended) The diagnostic composition of claim 27, wherein the calibrator mRNA is porphobilinogen desaminase (PBGD) mRNA, ~~glyceraldehyd 3-phospat dehydrogenase (GAPDH) mRNA, beta-2-microglobin mRNA, or beta-actin mRNA.~~
29. (Canceled)
30. (Currently amended) The diagnostic composition of claim ~~[[29]]~~28, wherein the composition comprises oligonucleotide MgRT3a (SEQ ID NO:4) as a primer for reverse transcription of the at least two different MAGE gene transcripts and PBGD RT15b (SEQ ID NO: 35) as primer for reverse transcription of the PBGD mRNA.
31. (Currently amended) The diagnostic composition of claim 28, the composition further comprising PCR-primers for amplification of the calibrator mRNA, wherein the calibrator mRNA is porphobilinogen desaminase (PBGD) mRNA, and wherein said PCR-primers for amplification of PBGD-cDNA comprise the oligonucleotides selected from the following groups:

<b>PBGD-sense-primer</b>	<b>sequence (5'—3')</b>
hu_PBGD_se	AGA GTG ATT CGC GTG GGT ACC
PBGD_8	GGC TGC AAC GGC GGA AGA AAA C
PBGD_8_F	TGC AAC GGC GGA AGA AAA C
PBGD_ATG-Eco	ATG TCT GGT AAC GGC AAT GC

<b>PBGD-antisense-primer</b>	<b>sequence (5'—3')</b>
PBGD_3	TTG CAG ATG GCT CCG ATG GTG AA
PBGD_3.1_R	GGC TCC GAT GGT GAA GCC
PBGD_R	TTG GGT GAA AGA CAA CAG CAT C

hu PBGD se (SEQ ID NO:44) and PGBD R (SEQ ID NO:50) as primer pairs for PCR-amplification of PBGD-cDNA.

32. (Canceled)

33. (Currently amended) The diagnostic composition of claim 19, the composition further comprising PCR-primers for amplification of MAGE-cDNA, the primers comprising oligonucleotides selected from one of the following groups:

(C)

PCR-primer	sequence (5' - 3')
MAGE-A1	GTA GAG TTC GGC CGA AGG AAC
MAGE-A1	CAG GAG CTG GGC AAT GAA GAC
MAGE-A2	CAT TGA AGG AGA AGA TCT GCC T
MAGE-A2	GAG TAG AAG AGG AAG AAG CGG T
MAGE-A3/6	GAA GCC GGC CCA GGC TCG
MAGE-A3/6	GAT GAC TCT GGT CAG GGC AA
MAGE-A4	CAC CAA GGA GAA GAT CTG CCT
MAGE-A4	TCC TCA GTA GTA GGA GCC TGT
MAGE-A10	CTA CAG ACA CAG TGG GTC GC
MAGE-A10	GCT TGG TAT TAG AGG ATA GCA G
MAGE-A12	TCC GTG AGG AGG CAA GGT TC
MAGE-A12	ATC GGA TTG ACT CCA GAG AGT A

(D)

PCR-primer	sequence (5' - 3')
MAGE-A1	TAG AGT TCG GCC GAA GGA AC
MAGE-A1	CTG GGC AAT GAA GAC CCA CA
MAGE-A2	CAT TGA AGG AGA AGA TCT GCC T
MAGE-A2	CAG GCT TGC AGT GCT GAC TC
MAGE-A3/6	GGC TCG GTG AGG AGG CAA G
MAGE-A3/6	GAT GAC TCT GGT CAG GGC AA
MAGE-A4	CAC CAA GGA GAA GAT CTG CCT
MAGE-A4	CAG GCT TGC AGT GCT GAC TCT
MAGE-A10	ATC TGA CAA GAG TCC AGG TTC
MAGE-A10	CGC TGA CGC TTT GGA GCT C
MAGE-A12	TCC GTG AGG AGG CAA GGT TC
MAGE-A12	GAG CCT GCG CAC CCA CCA A

34. (Canceled)